



SAY IT WITH SYMBOLS

On Planet Kaiju, Jayden proves that you don't need words to tell a story. If you can draw a picture, you can communicate—even with aliens who don't speak your language!

Write a letter or story using drawings only—no words allowed. You could use symbols to represent different words, like hieroglyphs, or you could draw a wordless comic with multiple panels. You could even create one big picture that shows lots of different things happening at once, like a modern cave painting.



A cartoon illustration of a girl with dark skin, blue braided hair, and large red-rimmed glasses. She is wearing a yellow shirt and holding a yellow book. The background is white with horizontal lines.





DON'T GIVE UP!

The Brights are supersmart people who've accomplished amazing things, but behind every out-of-this-world achievement is a lot of hard work and even more second tries!

When a person keeps trying even though they feel discouraged, it's called perseverance. And it's a skill you can learn! Choose something you've always wanted to do that feels difficult, like learning to whistle or roller-skate. Challenge yourself to practice just a little bit every day, and don't give up. The more you practice—and the more you persevere—the better you'll get! Document your progress below.

Day 1

Day 2

Day 3

Day 4

Day 5

How did you do? _____

What did you learn? _____

Explain how this experience made you feel. _____



PERSEVERANCE PAYS OFF

In real life, just like the Bright Family, even the most successful people don't always get it right on their first try. Search for "biography" on Epic! and you'll find lots of books about scientists, inventors, activists, and explores. Choose a story about a person you admire, and read about how they got to where they are.

Did they have obstacles to overcome? If so, what were they?

What did they do, and how long did it take? Did they get it right the very first time?

What advice do you think they'd give a person who was feeling discouraged?

What surprised you the most about this person's story?

Ask a friend, a classmate, a family member, or another person in your community about an accomplishment they are proud of that took a lot of perseverance. You can ask them the questions from the activity above, or come up with questions of your own! Report back about what you learned.



VOLCANO IN A BOTTLE

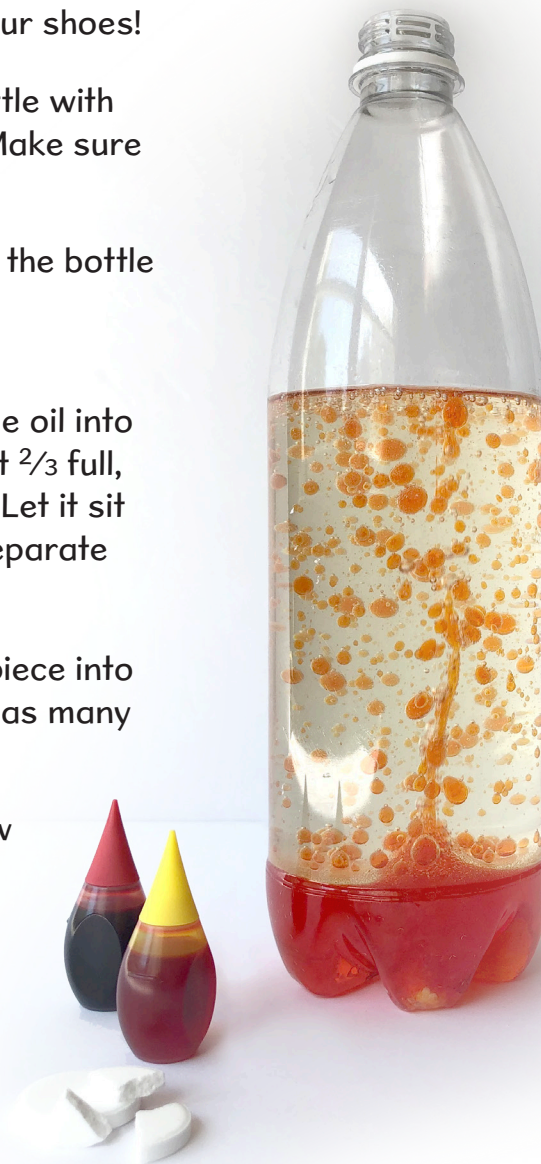
Unless you're a lava-proof lizard, it's dangerous to get too close to an erupting volcano. This project lets you get a peek at how lava moves—without melting your shoes!

SUPPLIES

- Clear plastic bottle
- Water
- Food coloring
- Vegetable oil
- 1 effervescent antacid tablet (like Alka-Seltzer®)

1. Thoroughly wash the bottle with soap and warm water. Make sure you keep the cap!
2. Pour 1 inch of water into the bottle and add about 10 drops of food coloring.
3. Slowly pour the vegetable oil into the bottle until it is about $\frac{2}{3}$ full, as shown in the picture. Let it sit until the oil and water separate into 2 layers.
4. Break an antacid tablet into 4 pieces. Drop one piece into the bottle and watch your volcano erupt! Repeat as many times as you'd like.
5. After the bubbling has completely stopped, screw the cap back onto the bottle. Now you have a volcano in a bottle, and you can always predict when it will erupt—no seismograph needed!

You can use any color you like, but red and orange will give you the most lava-like effect!



FUN FACT

Water sinks to the bottom of the bottle because it's denser than oil. The antacid tablet reacts with the water to release carbon dioxide, which rises, taking little bits of colored water with it and causing that cool, lava-like bubbling effect. When the bubbles pop, the ride's over, and the water sinks right back down to the bottom!

In our volcano, oil rises to the top because it's less dense than water. Before a volcano erupts, magma (molten rock inside the earth) rises to the surface because it is less dense than the rocks surrounding it!